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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/933,321	08/20/2001	Vikram Kapoor	CS11343	7056

20280 7590 05/21/2004

MOTOROLA INC  
600 NORTH US HIGHWAY 45  
ROOM AS437  
LIBERTYVILLE, IL 60048-5343

EXAMINER

AMINZAY, SHAIMA Q

ART UNIT	PAPER NUMBER
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2684

DATE MAILED: 05/21/2004

3

Please find below and/or attached an Office communication concerning this application or proceeding.

## Office Action Summary

Application No.

09/933,321

Applicant(s)

KAPOOR ET AL.

Examiner

Shaima Q. Aminzay

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --  
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

### Status

- 1) ☒ Responsive to communication(s) filed on 20 August 2001.  
2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.  
3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

### Disposition of Claims

- 4) ☒ Claim(s) 1-20 is/are pending in the application.  
4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.  
5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.  
6) ☒ Claim(s) 1-10, 12 and 14-20 is/are rejected.  
7) ☐ Claim(s) 11, 13 is/are objected to.  
8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

### Application Papers

- 9) ☐ The specification is objected to by the Examiner.  
10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).  
11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

### Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).  
a) ☐ All b) ☐ Some \* c) ☐ None of:  
1. ☐ Certified copies of the priority documents have been received.  
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.  
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

### Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)  
2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)  
3) ☒ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)  
Paper No(s)/Mail Date 2, 8-20-01.  
4) ☐ Interview Summary (PTO-413)  
Paper No(s)/Mail Date. \_\_\_\_\_.  
5) ☐ Notice of Informal Patent Application (PTO-152)  
6) ☐ Other: \_\_\_\_\_.

## ***DETAILED ACTION***

1. This action is responsive to communications: Application filed on 8/20/2001.
2. Independent Claims 1, 8, 16 and dependent claims 2-7, 9, 10, 12, 14-15, and 17-20 are pending in the case.
3. Dependent claims 11, and 13 are objected.
4. The present title of the application is "Cellular telephone and multimedia accessory audio system adaptor and methods therefor".

## ***NON-FINAL ACTION***

### **Claim Rejections - 35 USC § 103**

- ◆ The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

- ◆ Claims 1-10, 12, and 14-20 are rejected under 35 U.S.C. 103(a) as being unpatentable over Ugge et al. U. S. Patent number 5781850.

5. Regarding claims 1, and 4, Ugge teaches an audiocassette adapter for coupling a mobile wireless communication station to an audiocassette player (see for example, column 1, lines 1-20, 44-50, and figure 1) and a cassette head

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coupling device (see for example, Figure 1, and column 2, lines 25-31, the dummy cassette housing performs cassette head coupling device function), and a cassette adapter insertion detect switch (see for example, column 2, lines 54-57, column 4, lines 45-47, and column 5, lines 62-65), and a mobile wireless communication station coupling device having a mobile wireless communication station audio input coupled to the cassette head coupling device (see for example, column 2, lines 11-19, and column 3, lines 41-43), the mobile wireless communication station coupling device coupled to the cassette adapter detect switch (see for example, column 3, lines 41-43, column 4, lines 5-9, and column 5, lines 62-65).

However, Ugge does not teach mobile wireless communication adapter insertion detect signal.

Yamamoto teaches mobile wireless communication adapter insertion detect signal (see for example, paragraph [0014], lines 7-11, and [0015], lines 1-5; and further in paragraphs [0016] – [0020]),

It would have been obvious to one of ordinary skill in the art at the time invention was made to combine Yamamoto's car mounted mobile communication audio (from CD or cassette player) detection feature (see for example, paragraph [0014], lines 7-11, and [0015], lines 1-5; and further in paragraphs [0016] – [0020]) with Ugge's motor vehicle audio system adapter for mobile electronic and to audio cassette player (see for example, column 1, lines 1-30) to provide "a mobile communication terminal and a car mounted electronic device that enable

hands-free communication without requiring a specific car kit, thereby enabling mobile communication in car at a low cost without providing a new installation space" (Yamamoto, paragraph [0005], lines 1-6).

6. Regarding claim 8, Ugge teaches an audiocassette adapter for coupling a mobile electronic device to an audiocassette player (see for example, Figure 1, and column 3, lines 41-42), and a cassette head coupling device (see for example, Figure 1, and column 2, lines 25-31, the dummy cassette housing performs cassette head coupling device function), and a mobile electronic device input coupled to the cassette head coupling device (see for example, Figure 1, 10),

However, Ugge does not teach an audiocassette player command signal generator; a control signal output coupled to the audiocassette player command commands signal generator.

Yamamoto teaches an audiocassette player command signal generator (see for example, paragraph [0014], lines 1-11; command generator of car electronics includes audio), and a control signal output coupled to the audiocassette player command commands signal generator (see for example, paragraph [0014], lines 1-11; command generator of car electronics includes audio; paragraph [0040], lines 7-10).

It would have been obvious to one of ordinary skill in the art at the time invention was made to combine Yamamoto's car mounted mobile communication audio command controller (paragraph [0001], lines 1-8, and [0014], lines 1-11)

with Ugge's motor vehicle audio system adapter for mobile electronic and to audio cassette player (see for example, column 1, lines 1-30) to provide "a mobile communication terminal and a car mounted electronic device that enable hands-free communication without requiring a specific car kit, thereby enabling mobile communication in car at a low cost without providing a new installation space" (Yamamoto, paragraph [0005], lines 1-6).

7. Regarding claim 16, Ugge teaches a coupling a mobile wireless communications station to an audio system with a cassette adapter disposable in a cassette player (see for example, column 1, lines 1-20, 44-50, and figure 1).

However, Ugge does not teach detecting when the cassette adapter is disposed operably in the cassette player; providing a cassette adapter insertion detect signal to a mobile wireless communication station coupling device output on the cassette adapter when the cassette adapter is disposed operably in the cassette player.

Yamamoto teaches detecting the audio signal where the music produced from a CD player or a like (e.g. cassette player) or radio (see for example, paragraph [0014], lines 7-11, and [0015], lines 1-5; and further in paragraphs [0016] – [0020]),

It would have been obvious to one of ordinary skill in the art at the time invention was made to combine Yamamoto's car mounted mobile communication audio (from CD or cassette player) detection feature (see for example, paragraph [0014], lines 7-11, and [0015], lines 1-5; and further in paragraphs [0016] –

[0020]) with Ugge's motor vehicle audio system adapter for mobile electronic and to audio cassette player (see for example, column 1, lines 1-30) to provide "a mobile communication terminal and a car mounted electronic device that enable hands-free communication without requiring a specific car kit, thereby enabling mobile communication in car at a low cost without providing a new installation space" (Yamamoto, paragraph [0005], lines 1-6).

8. Regarding claims 2, 3, 17, and 18, Ugge and Yamamoto teach claims 1, 16, and further Yamamoto teaches coupling a multimedia to the system (see for example, paragraph [0014], lines 7-11, and [0015], lines 1-5; radio and CD player and the like (for example cassette player)), and a multimedia mute function (see for example, paragraph [0061], lines 1-7).
9. Regarding claims 5, and 6, 19, Ugge and Yamamoto teach claims 1, 16, and further Yamamoto teaches command signal generator and control signal (see for example, paragraph [0014], lines 1-11, and [0040], lines 7-10).
10. Regarding claims 7, and 9, 20, Ugge and Yamamoto teach claims 1, 8, 16, and further Ugge teaches audiocassette driving commands for example play, and, stop (see for example, column 5, lines 45-49, for example functions such as disabling (stop), recording and playing).
11. Regarding claim 10, Ugge and Yamamoto teach claim 8, and further Ugge teaches the audiocassette player command signal generator comprising a

transducer with a transducer output coupled to the control signal output (see for example, column 1, lines 15-21).

12. Regarding claim 12, Ugge and Yamamoto teach claim 8, and further Ugge teaches switch output coupled to the control signal output of the audiocassette adapter (see for example, column 2, lines 54-57, column 4, lines 45-47, and column 5, lines 62-65).

***Allowable Subject Matter***

13. Claims 11, and 13 objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

The prior art specifically Ugge and Yamamoto failed to render obviousness in combination or individually and failed to anticipate individually the following underlined limitations:

"The audiocassette adapter of claim 10, the audiocassette player command signal generator comprising a rotatable spur gear having a conductive portions separated by nonconductive portions, first and second slide contacts contacting the rotatable spur gear" as disclosed in claim 11.

The audiocassette adapter of claim 8, the audiocassette player command signal generator comprising a momentary switch including first and second contacts, one of the first and second contacts disposed on a spring biased



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cassette head actuatable member" as disclosed in claim 13.


These limitations, in combination with the other limitations recited in the independent claims are not anticipated or suggested by the prior art.

### **Conclusion**

1. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. None.

### **Inquiry**

2. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Shaima Q. Aminzay whose telephone number is 703-305-8723. The examiner can normally be reached on 7:00 AM -5:00 PM.  
If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Nay Maung can be reached on 703-308-7745. The fax phone number for the organization where this application or proceeding is assigned is (703) 872-9314. Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the TC 2600's customer service telephone number is 703-305-3900.

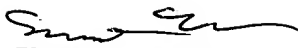
  
Shaima Q. Aminzay  
(Examiner)

May 17, 2004

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Nay Maung  
(SPE)  
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EDWARD F. URBAN  
SUPERVISORY PATENT EXAMINER  
TECHNOLOGY CENTER 2600